

## Faculty hear proposal for energy laboratory

By Mark Haley

The MIT Faculty held its regular October meeting on Wednesday, October 18 and the two major topics of discussion were the educational directions which MIT would pursue and the need for formation of a MIT Energy Laboratory.

Also the regular committee assignments were announced and preceding the meeting an executive session was held.

The faculty meeting began at 3:15 pm with about 40 members present and this number fluctuated between about 40 to 70 members. In the closed executive session, the faculty debated the awarding of degrees to two MIT students involved in the occupation of Building 20 last spring.

Since the meeting was closed to the press, the course of the debate is unavailable. But it was confirmed that one student was awarded his degree while the second case will be considered at another meeting.

After about 20 minutes, the regular session began. Professor Hartley Rogers, chairman of the faculty, discussed the educational matters which were important to MIT students and faculty. He stressed two major themes: 1) the quality of the undergraduate education and 2) the development of new areas of research as well as the continued support of existing programs.

He noted that the graduate department of MIT has a first rate reputation and is world renowned. While not degrading the undergraduate program, he said

that the same high degree reputation has not been established for the undergraduate education at MIT.

Rogers said that there were many good trends in the MIT undergraduate program and cited the Undergraduate Research Opportunities Program (UROP) as an example. He also included the many different modes of education available to the student such as the Experimental Study Program and Concourse.

But he continued to stress the problems in competing with other top schools for the best freshmen and said that the MIT public image in undergraduate education as well as its program content could still be improved.

In the area of research and development, Rogers praised MIT's past successes in areas of high technology and included the need for continued development in new areas such as Health and Technology. He also mentioned the area of energy development which was discussed later in the meeting.

He then listed the educational areas of discussion that would be discussed at future faculty meetings this year. They included many facets of the undergraduate program, such as IAP, ESG, and Concourse, all of which are subject for approval by the faculty this year if they are to continue.

Other programs which need faculty approval are the MIT-Wellesley Exchange, Freshman pass-fail, and the Domestic Year (Please turn to page 3)

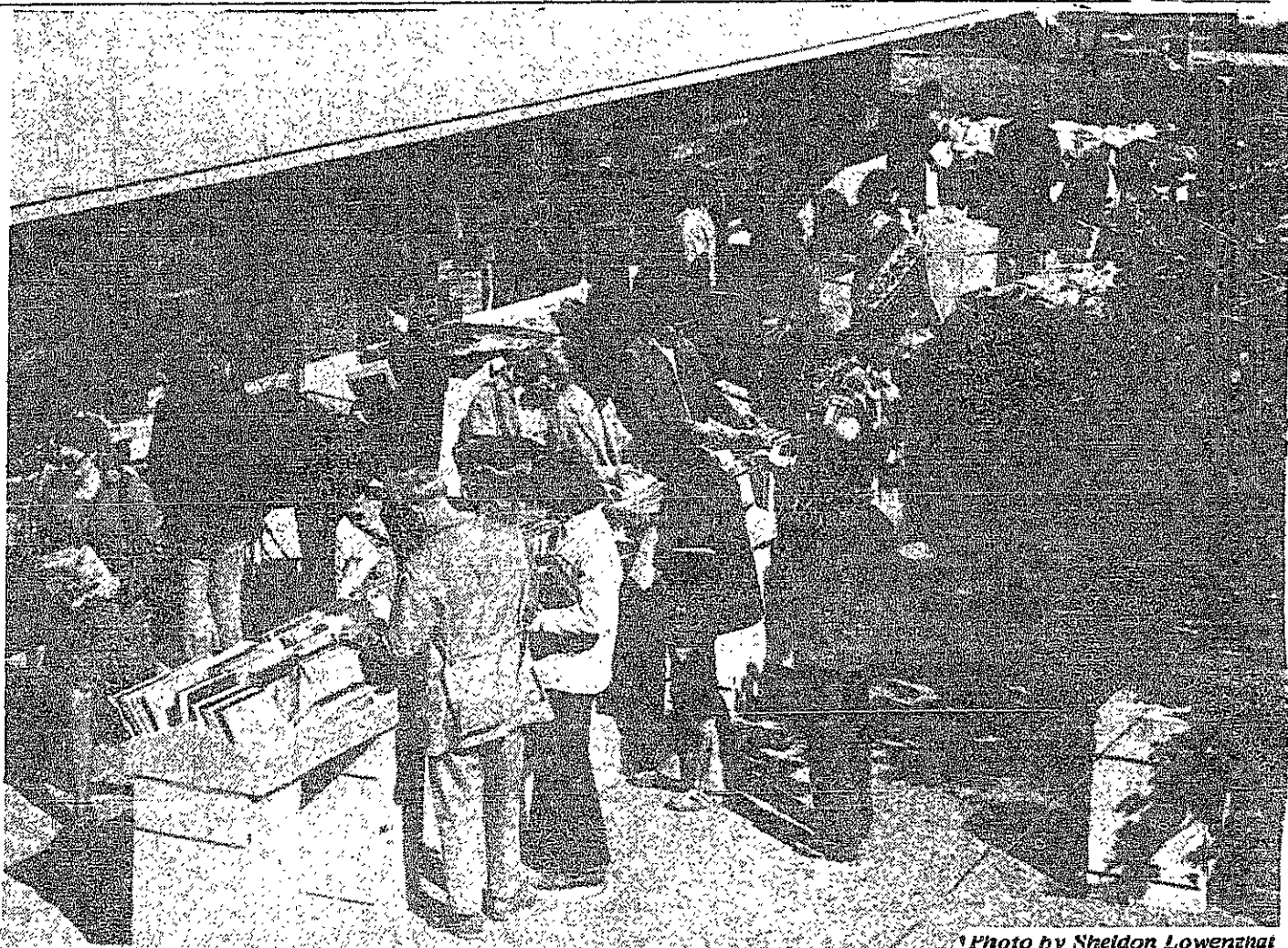


Photo by Sheldon Lowenthal

Following a successful experiment last spring, the MIT Coop began to hold outdoor sales every Friday since the fall term got underway. The sales have worked well, allowing the MIT community

and passersby to browse through merchandise not usually displayed. Unfortunately, inclement New England winter weather makes unlikely any more outdoor sales until next spring.

## Simplex land remains vacant

By Mike McNamee

One of MIT's largest properties in Cambridge is currently in a "hold mode," according to administration officials, with no definite plans for its use. Although the Simplex property, the 20 acres of which makes up over 11% of MIT's Cambridge land, was purchased over three years ago, the administration still has not announced development plans for the area.

In April of 1969, Simplex Wire and Cable Company announced that it planned to close down its Cambridge operations, and move the production facilities there to Maine, where it already had manufacturing plants. The company said it could no longer afford to operate the obsolete Cambridge plant, which had employed over 1100 people; Simplex's losses in 1968 had exceeded \$4.5 million. After a preliminary study, MIT offered to buy the property. Agreement was reached in July, 1969, and Simplex sold its 18.75 acres in Cambridge to MIT for a reported \$12.7 million. The Institute used general investment funds for the purchase.

In a press release at that time, MIT's interests in the property were given. They were: 1) An opportunity to create housing for faculty and staff, thus helping ease Cambridge's housing shortage; 2) An opportunity to increase the city's tax base, and bring employment, and 3) An opportunity to create a new environment and improve a somewhat run-down area in close proximity to the Institute. (Another reason, much less emphasized, was that the Institute did not want the land controlled by many smaller developers with whom it might have to deal with

separately later.)

In a statement to the MIT community dated July 10, 1969, President Howard Johnson stated that the land would not be used to expand the academic campus, and gave three guidelines by which MIT would develop the property. Saying that "we sought to envision a future development of the property that could be of substantial benefit both to the Institute and the city," he added that no plans would be made that would remove the land from the tax rolls, that housing would be constructed on the site, and that commercial development would be sought to help support the housing and raise tax revenues. He closed his statement with the promise, "I shall keep you informed of our progress." The Corporation Joint Advisory Committee was assigned to study uses of the land. When the Institute took possession in April, 1970, destruction of the buildings was started.

By April of 1971, CJAC had finished its study and turned two sets of recommendations over to the Planning Office. One, known as Plan A and reportedly backed mainly by student members of CJAC, was for a mixed community, comprised of heavy (Please turn to page 6)

## Division plans seminar series

By Bert Halstead

MIT's newly formed Education Division is planning to offer a spring semester series for academic credit, in addition to its ongoing colloquium, the first session of which was held last Wednesday (October 18).

The Education Division Steering Committee, chaired by Professor William T. Martin, was recently appointed by President Jerome B. Wiesner and charged with the responsibility of organizing the Education Division. The purpose of the Division is to provide new opportunities for students and faculty from various disciplines to cooperate in the study of issues relating to education at all levels, from elementary through college.

The idea of an Education Division is to combine the best points of academic departments and interdisciplinary research efforts. This means that faculty might have joint appointments, or the Division might even have its own faculty and students if that were judged to be desirable.

The Steering Committee will have to concern itself with a number of issues, including the intellectual foci of the Education Division, the nature of its academic program, the kind of structure best suited to the Division's goals, and the relationship between the Division and the other academic and research activities at MIT.

The Education Division Colloquium is a lecture series being given this year. It is a joint effort

on the part of the Education Division and the Psychology Department. The themes this semester are "physiological inputs to education" and "social factors in education," and lecturers are being drawn from such places as Harvard, Yale, and Berkeley, as well as from MIT. The next lecture in the series will be on October 31, when Albert Rothenberg, a professor of psychiatry at the Yale School of Medicine, will ask, "Is Creativity a Proper Goal for Education?"

For the spring term, Professor Seymour Papert, another member of the Steering Committee, is planning to give a seminar series for credit. The course will actually consist of two parts. One is a lecture course, open to as many students as wish to enroll or audit. The other will be a small, intensive seminar for students seriously interested in educational research. The goal of the course will be to present a "really different orientation" toward education. Papert plans to give about a third of the lectures, presenting "a systematic alternate plan for elementary education." The rest of the lectures will be given by eminent visiting philosophers, scientists, and cognitive theorists. Says Papert, "Generally, research in education means being concerned with how to get knowledge into the kids, but the knowledge is considered to be given." One goal of his seminar will be to explore the very foundations of knowledge, and the nature of scientific thought.

Papert's ideas about education go far beyond the "New Math" or other current "revisions" of that genre. Rather, he questions some of today's basic assumptions about education, such as what he calls the pop-ed culture and the "don't-think-about-thinking" paradox. One of his revolutionary ideas involves teaching computer science as a grade school subject, and using that as a tool for teaching such things as mathematics and physics.

If these initial colloquia and seminars point down some of the roads the Education Division will travel in the years to come, it should indeed be an innovative and dynamic force at MIT.

## CEP proposes quiz hiatus

By Mike McNamee

Following requests from several students and organizations, the Committee on Educational Policy has recommended that all instructors not hold quizzes or major assignments due on Election Day - November 7 - and the preceding and following days - November 6 and 8.

In a letter to all instructors (published Tuesday in *The Tech*), Prof. Hartley Rogers, Chairman of CEP, pointed out the policy on relaxations in the past, and stressed that compliance was voluntary. In an interview with *The Tech*, however, he expressed confidence that conformance would be

widespread.

"Our programs for relaxation in 1970 and 1971 were voluntary, and we had fairly good compliance," Rogers said. "In 1970, we had three days without classes for all students, and in 1971 we had three days with no quizzes, assignments, or new lecture material for freshmen. What has been disappointing has not been faculty compliance but student use of the time. We were very disappointed at the low number of students who used the time productively."

Rich Haas '72, head of MIT Students for McGovern, was not so sure of faculty cooperation. "If the faculty adheres to it, this

will be a good thing; we'd prefer, of course, a full vacation as in 1970. The faculty is under no constraints on this plan - one instructor of mine just took a vote in class to see if he should go along." Haas felt, though, that the idea was basically very helpful, but added, "Probably just a small fraction of the students will take advantage of it. Students don't seem to be up for this election; we've been very disappointed with our turnout for canvassing."

As one student at the McGovern booth in Building 10 said, "Our campaign is based on college students. Every little bit helps."

## NOTES

\* Official Notice for fourth year students: October 27, 1972 is the last day for fourth year students to specify an elective for pass-fail grading.

\* Freshman Evaluation Forms that were delivered to living groups on October 18, don't fit the envelopes correctly. Before turning in, please cut off 5/16 inch at bottom so student name box will show thru small window. FAC.

\* Sign up on McCormick Gym bulletin board for audition for early December performance with MIT Dance Workshop. If you have questions call Cha Rie Tang x3-5961 (day) or x3-5110 (evenings). Auditions on Wednesday, October 25 at 7 pm in McCormick Gym.

\* Canoeing Classes: The MIT Outing Club will offer Red Cross canoeing classes on Tuesday, October 24 and succeeding Sundays at 2 pm. For more info call Bruce Mackenzie at x3-3192, or dl 0-398.

\* Anyone interested in the American Field Service get-together at Harvard-Radcliffe with other returnees or former host brothers and sisters, please contact Todd White, dl 0827.

\* The Cambridge Model Cities Agency is developing a position paper on child care in the city of Cambridge and needs your help. If child care is an important part of your life, please make a point to participate by bringing yourself and your ideas about child care to the meeting. Tuesday, October 24 at 7:30 pm, Cambridge Community Center, 5 Calendar Street. For more information, contact Jack Britt, Model Cities Agency, 868-8740.

\* The MIT Symphony Orchestra will have an open rehearsal of Mahler's Fourth Symphony on Thursday, October 26 at 7:30 pm in Kresge Auditorium. David Epstein will be conducting, and Carole Bogarde will be the featured soloist. The rehearsal is open to the MIT community.

\* Copies of the take-home practice test for the Putnam Mathematics Competition will be available any time after 3 pm, Friday, October 13, from Professor Greene, 2-335, or Professor Orszag, 2-374. A meeting will be held at 7 pm in room 2-338 to answer questions and - if there is sufficient interest - to discuss some problems from last year's test. There are tentative plans for more problem-solving sessions during the month of November - watch the Undergraduate Mathematics Bulletin Board for further details.

## UROP

\* UROP - For more detailed information on UROP opportunities listed, MIT undergraduates should call or visit the Undergraduate Research Opportunities Program Office, 20C-231, x3-5049 or x3-4849. Undergraduates are also urged to check the UROP bulletin board in the main corridor of the Institute. UROP is still receiving and funding undergraduate research requests. Opportunities are available for undergraduates with the following organizations: Raytheon, Burlington, MA; Education Development Center, Newton, MA; Lincoln Laboratory, Lexington, MA; Cambridge Chamber of Commerce, Cambridge, MA; New England Merchants Bank, Boston, MA; ITEK Corporation, Lexington, MA.

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## Winning bridge:

By Charles Martel

(Charles Martel, representing MIT, won the 1972 New England Intercollegiate Bridge Championship, and went on to finish sixth in the National Intercollegiate Tournament. - Editor)

This hand, played in the Intercollegiate tournament, shows that if declarer is careful, he can sometimes turn two losers into one. North's one club opening showed a 12-16 point balanced hand, and East's two heart overcall was preemptive. South's four club bid showed the ace of clubs and slam interest. North bid four diamonds to show the ace and then continued to six spades since he had two aces and excellent trump support. Oddly, North's excellent trump support was partly wasted. If North's jack was in clubs or diamonds instead of spades, six spades would make easily. But in the actual hand, South must find a way to avoid two diamond losers.

North dealer  
both sides vulnerable

North  
S K Q J 7  
H A 9 6  
D A 9 6 3  
C 10 6

West  
S 8 5 3  
H J 7 5  
D K Q 5 4  
C 9 8 5

East  
S 4  
H K Q 10 4 3 2  
D J 7  
C J 7 3 2

South  
S A 10 9 6 2  
H 8  
D 10 8 2  
C A K Q 4

North	East	South	West
1C	2H	2S	3H
3S	pass	4C	pass
4D	pass	4S	pass
6S	pass	pass	pass

Opening lead: Diamond King

West thought for awhile before leading diamonds; so, South placed East with the diamond jack. If West had the King, Queen, Jack of diamonds, he would probably have led a diamond fairly quickly. South realized that he could make six spades by careful play if East had one or two diamonds.

Dummy won the opening lead and played the ace of hearts. South ruffed a heart. He then led a trump to the king and ruffed a heart with the spade ten. The ace of trumps was then cashed and East pitched a heart. Three high clubs were cashed and a club was ruffed in dummy while West pitched a diamond. The three card ending was now:

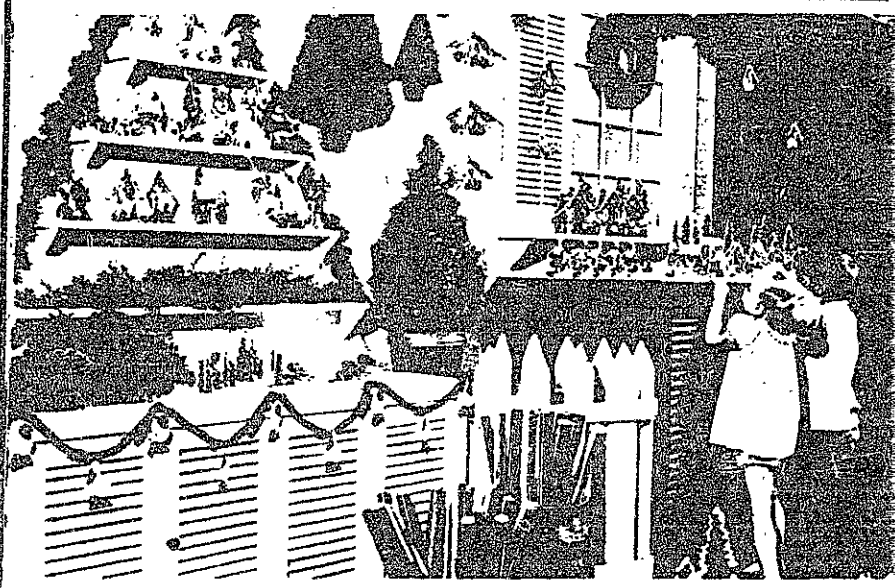
North  
S J  
H -  
D 9 6  
C -

West  
S 8  
H -  
D Q 5  
C -

East  
S -  
H Q 10  
D J  
C -

South  
S 9  
H -  
D 10 8  
C -

A diamond was led from dummy and the defense was helpless. If East wins the diamond he must give South a ruff and sluff, and if West overtakes the Jack, he sets up the diamond ten. South showed that the Jack of spades was worth as much as the jack of clubs or diamonds.



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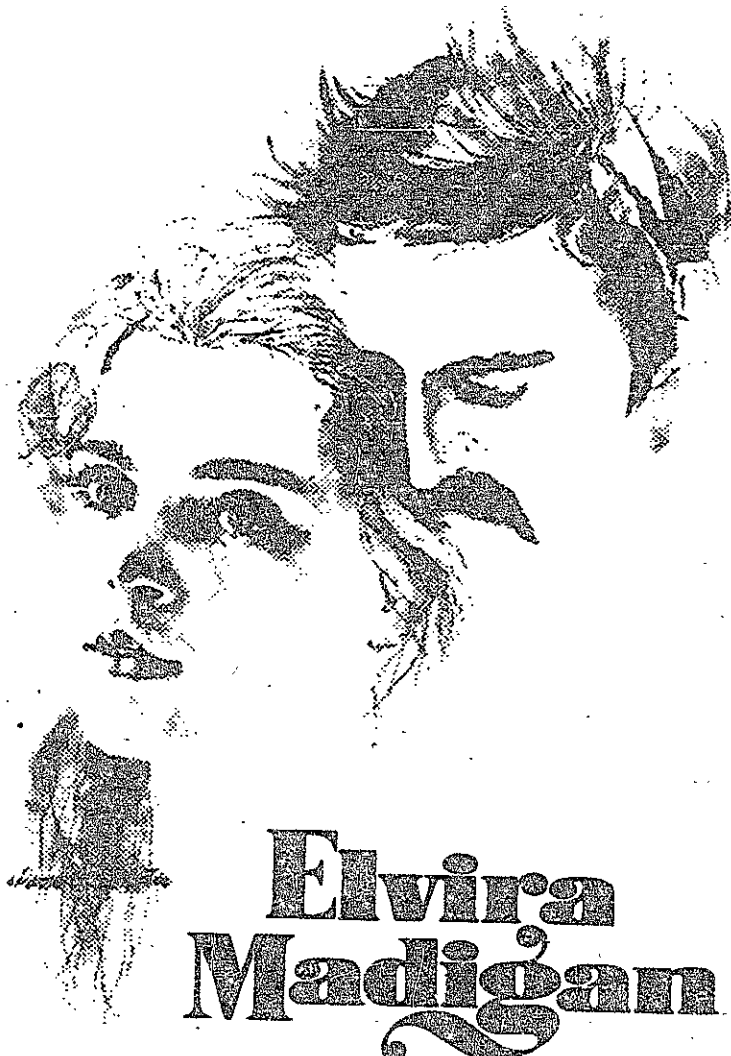
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# FAC considers problems

By Wendy Peikes

The Freshman Advisory Council, under the leadership of Hale Bradt, had its first meeting October 5, 1972. This year's group consists of advisors, associate advisors, and freshmen.

The issues discussed at the meeting included the boldface comments in the Freshman Handbook, the role of the freshman advisors, the Independent Activities Period, hidden grades under the pass-fail system, and the experimental programs.

The boldface comments (quotes from students, staff, faculty, etc. about various aspects of MIT) presented a great problem last year. Many people were opposed to the whole idea behind the quotes, but what caused the most trouble were the quotes concerning core subjects. Some comments, for example, "18.001 is like the Springfield Oval: there are easier ways of getting the same thing," upset instructors and gave some subjects a bad name. As a result of protest, a section of last year's book had to be reprinted, in order to omit these controversial comments.

The advisor problem took up a good deal of the group's time. There was considerable debate about whether staff or faculty members are better suited to be advisors. This year's advisors might create problems by lacking expertise in advising. There are more advisors this year, and fewer of them are faculty members. Some members of the Freshman Advisory Council wondered if this would cause

fewer freshmen to be satisfied with their programs.

One point that the discussion brought out was that the freshmen seemed less prejudiced than the other members of the group as to whether they felt a professor would make a better advisor than a staff member, for example. The group felt that, in order to get a better answer, opinions of more freshmen should be sought. It hopes to reach some or all of this year's freshman class, either by a questionnaire sent to all of them, or interviews of a few representative freshmen. Hopefully, it would be able to get two opinions — one fairly soon, and one later in the year — to see how views of advisors have changed.

The freshman problem with IAP was not discussed in much detail. It was mentioned that freshmen are treated differently than upperclassmen with respect to the lack of alternatives open to them.

The pass-fail system is presenting a problem to the FAC. Medical schools and other post graduate institutions are requesting freshman grades for admission. The question open to discussion is whether this would undermine the pass-fail system.

The experimental programs (for example: ESG, Concourse, Freshman Project Year), had very poor enrollment this semester. Freshmen know very little about the programs, and most are unwilling to try new things that they know little about. The handbook did not give enough information about

the various options, and the advisors knew little more than the freshmen. As a result, all programs except Concourse received little student interest.

The group's advisors are: Prof. James Annable, Prof. Robert Beardsley, Suzanne Buckle, Robert Channon, Prof. Ernie Cravalho, Anne Hirsch, Trond Kaalstad, Charles Mann, Herbert Mower, Prof. S. Curtis Powell, Prof. Marc Price, Peter Richardson, Betsy Schumacker, Karl Singer, Prof. George Thomas, Prof. George Valley. The Associate Advisors in the group are: Brenda Chinn, Dan Greenbaum, Kate Hadley, Drew Jaglom, and Tony Vidmar. The freshmen are Bruce Blankinship, Glen Edelson, Peter Galitzine, Wendy Peikes, Mark Pickrell, and Joe Tavormina.

# Faculty hear proposal for energy laboratory

(Continued from page 1)

Away — where a student can transfer for one year in the US.

Head of the Nuclear Engineering Department, Edward A. Mason then took the floor and opened discussion on the second major topic of the meeting — the development of the proposed MIT Energy Laboratory.

The major purpose of this laboratory would be to provide new research in energy technology and to serve as the coordinator for all of MIT's existing programs in energy research; which currently exceed \$5 million.

This new interdisciplinary laboratory could also stimulate

new income for MIT in this field since the Institute has not been obtaining its usual share of the research.

A short debate followed in which the major concerns were the need of the laboratory, the amount of support which it could expect to receive, and the possibility of its becoming too dependent on one sponsor. The laboratory will be discussed further in a future meeting.

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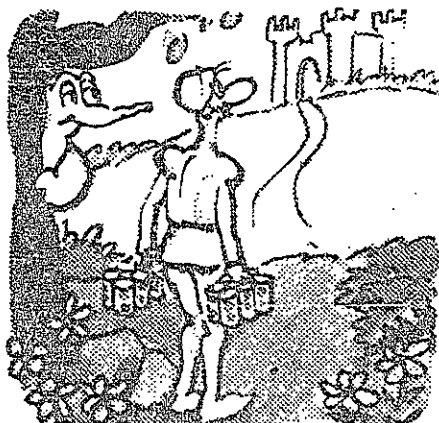
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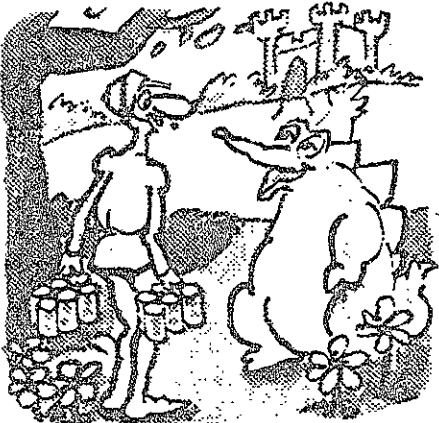
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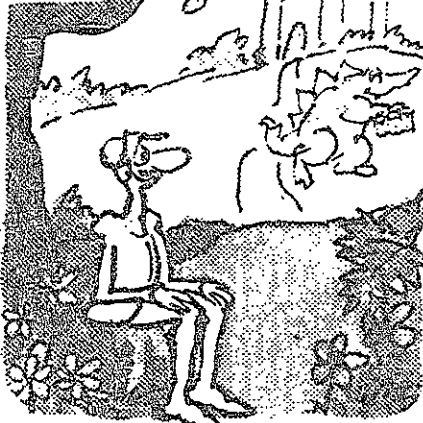
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# McGovern campaign: riding the surge

By Peter Peckarsky

WASHINGTON, OCTOBER 18 (In October 1971, Peter Peckarsky described one of the trends which carried Senator George S. McGovern (D-S.D.) to the democratic Presidential nomination last July. In January 1972, less than one week after Senator Edmund S. Muskie (D-Me.) announced his candidacy for the Presidency, our Washington correspondent, who was on the campaign trail with Muskie, observed and wrote about the trends which led to the unsuccessful end to Muskie's 1972 White House bid. —Editor)

Current trends point to an extremely close finish in the 1972 presidential race. These trends have been clearly expressed in the recent Gallup, Harris, and Yankelovich polls but have gone undetected by many of the nation's leading political reporters.

The polls, when taken as an aggregate and viewed in a leitmotif of discussions with knowledgeable observers in the key states, show that there is a surge underway in support of McGovern. Since Labor Day, McGovern has scored astounding gains among registered voters in five major population groups. All of these gains were recorded in the Gallup poll which is the product of the most reliable of the established national organizations doing extensive political polling this year. That is not to say that the Gallup poll is reliable in an absolute sense.

Polls are predicated on the theoretical assumption that every member of the set which the poll purports to represent has an equal chance of being included in the survey sample. The only relevant set in an election is those voters who actually vote on Election Day. Both the Gallup and Harris firms remove non-registered voters from their sample before making projections, but they have no way of knowing which of the interviewees included in their adjusted sample will vote.

The Yankelovich survey research firm, which has been retained by *The New York Times* and *Time*, utilizes telephone interviews. Hence, those voters without telephones have no chance of being included in the Yankelovich sample. (According to 1970 US Census data, 13% of all households and 42% of non-white households did not have a telephone

available to them.) Perhaps this explains part of the reason for Yankelovich's poor primary election predictive record of McGovern's support. People without telephones tend to be poorer than people with telephones in their homes; poor people have been more attracted to McGovern's banner than have more affluent voters.

There are many problems inherent in projecting trends from admittedly inaccurate yardsticks. However, if poll analyses are performed with an understanding of the surveys' limitations, voter surveys can be utilized to spot trends, if not to predict exact election results. (E.g. with the typical sample size of approximately 1500 used by most of the pollsters, any of the candidates' percentages can be in error by as much as four percentage points in either direction.)

From the Gallup poll for which interviews were conducted on August 25-28 to the Gallup poll for which interviews were conducted on September 22-25, McGovern gained 21% on Nixon among Catholics, union members, and voters between the ages of 18 and 29. The Yankelovich group detected a marked pro-McGovern shift in its interviewees' responses between its pre-Labor Day and post-Labor Day interviews. Hence, it is reasonable to assume that the McGovern surge began after Labor Day. (It was almost precisely on Labor Day that McGovern finally resolved internecine intra-staff quarrels and was able to devote all of his energies to campaigning.) This implies that McGovern's weekly gain during the three weeks from Labor Day to the September 22-25 sampling period was more than seven points.

Between the Gallup of September 22-25 and that of September 29-October 9, McGovern gained 19% among Southern voters and 13% among independents. It is difficult to ascertain when the bulk of the latter interviews were conducted, and thus the weekly McGovern gain, in as much as neither the Gallup firm nor any other survey research organization discloses its research techniques (they are akin to a manufacturing secret). In any event, these latest gains are statistically significant.

Finally, in the August survey, Nixon was favored by 40% of the registered Democrats interviewed, while in the September survey only 32% of the registered Democrats indicated that if the elections were held in September they would vote for Nixon. This rate of McGovern gain approaches 3% weekly.

The September Gallup poll was completed six weeks before November 7. If the above mentioned trends continue and if the apathy among McGovern supporters dissipates, McGovern can expect to win more than 70% of the votes cast by Democrats, Catholics, union members, and under-30 voters.

During the arduous primary campaign, while the polling firms with national reputations were erring seriously with respect to picking winners in the state primaries, one person stood head and shoulders above the rest in terms of the ability to predict primary results correctly. That person was Patrick Caddell, Senator McGovern's poll-taker.

This reporter contacted Caddell recently. According to him, as of the first week in October, McGovern was 10-11% behind Nixon in the large electoral vote states. This figure reflects the huge McGovern gain since mid-September when Caddell found McGovern to be 22% behind Nixon nationally with a slightly smaller gap in the large states.

Thus, the trend is clear. McGovern is scoring rapid, sizeable gains among many sectors of the electorate. State polls by independent organizations are also finding large shifts to McGovern.

If Caddell's current soundings are correct (bear in mind that Caddell, alone among the pollsters, has been consistently correct this year), McGovern has a good chance to defeat Nixon in most, if not all, of the more populous states.

McGovern strategy is to concentrate on these states (electoral votes indicated after each state's name): California (45), New York (41), Pennsylvania (27), Illinois (26), Texas (26), Ohio (25), Michigan (21), New Jersey (17), Massachusetts (14), Missouri (12), Wisconsin (11), Minnesota (10), Maryland (10), Washington (9), Connecticut (8), Arkansas (6), Oregon (6), West Virginia (6), Rhode Island (4), South Dakota (4), and the District of

Columbia (3). The first 12 of these states account for 275 electoral votes. 270 electoral votes are required for election.

McGovern will almost surely win the election if he captures the Big Eight with their 228 electoral votes. Even if McGovern loses in two of the Big Eight (e.g. Texas and Pennsylvania), he could win if he receives a plurality in the remainder of the 19 states (counting the District of Columbia) in which his campaign is focusing its efforts during the final three weeks. Alternatively, McGovern can win while losing in three of the top 12 states (e.g. Pennsylvania or Texas, New Jersey and Missouri) and winning the other 18 states. The nightmare which many shudder to contemplate is a Nixon victory in Pennsylvania, New Jersey, Missouri and Arkansas while McGovern wins the rest of his strategic states. Such a decision by the electorate would give each candidate 269 electoral votes and place the decision squarely in the hands of the House of Representatives and the Senate.

Most of the polls consist of projection from answers to questions of the type: "If the election were being held today, which candidate would you support?" Therein lies the rub: the election is not being held today, it is being held on November 7. The only poll that counts is the one which will be conducted by secret ballot next month. There are strong and persuasive indications that this poll's results will be quite close.

## McCormick: still holding out?

By Barb Moore

Recently, at a meeting of the house committee government of McCormick Hall, the subject of McCormick becoming an officially co-educational dormitory was brought up. After much procrastination, the discussion was inevitable. Due to the lopsided ratio of representative views at this meeting, it was not a very lucrative or representational debate. But the situation remains that McCormick Hall is theoretically a dormitory dedicated to the protection of feminine virtue, whereas we all know that there are numerous men residing in its hallowed halls.

The question at hand is whether or not the merits of McCormick becoming coed outweigh parental, student, and administrative opposition. A survey taken of residents indicates that approximately one-half would favor a coeducational tower. This percentage seems to justify the changeover. Most opposition appears to be based on reactionary parents who refuse to admit that their college age

daughter is in full control of her moral standards. This causes problems for the administration, which thinks it needs an all-American segregated dormitory system to entice prospective parents.

A seemingly logical solution would be for one tower to be coeducational and one to be all female. This possibility is logically the next key step to any dormitory construction or expansion, as the number of women desiring coed housing far exceeds the spaces available. If more coeducational housing were built, without a substantial rise in the number of women enrolled at MIT, McCormick would stand partially empty, which, of course, would be sacrilegious. Some half-hearted arguments have been presented against the two separate tower arrangement, the most valid of which would be the need for a change in house government structure. A random sample of the rest of the opposition is the crisis of the laundry room. There is one common laundry room for the two towers, and

how could any moral female, in good conscience, overcome the traumatic shock of using a machine that has washed a man's underwear?

Considering the present reality of McCormick as it is now is another classic in arbitrary blindness. A safe estimate of permanent or semi-permanent male residents, judging by a sampling of floors, would be upwards of 20-25 per tower. Everyone from the housemaster through the dean's office is aware of this situation, but there is no rational prevention and no real need for prevention.

Basically, MIT students are treated as intelligent adults, which is usually half correct. Despite the stereotyped image of "MIT coeds," most students recognize the problem and realize the logical solution.

Maybe soon the other half, the hidden McCormick residents, will no longer have to lurk in the shadows of the restrooms and make late night, inconspicuous trips to the laundry room.

by Brant parker and Johnny hart



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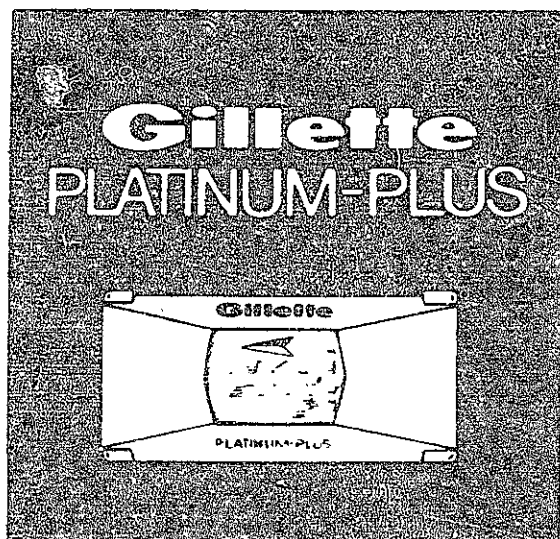
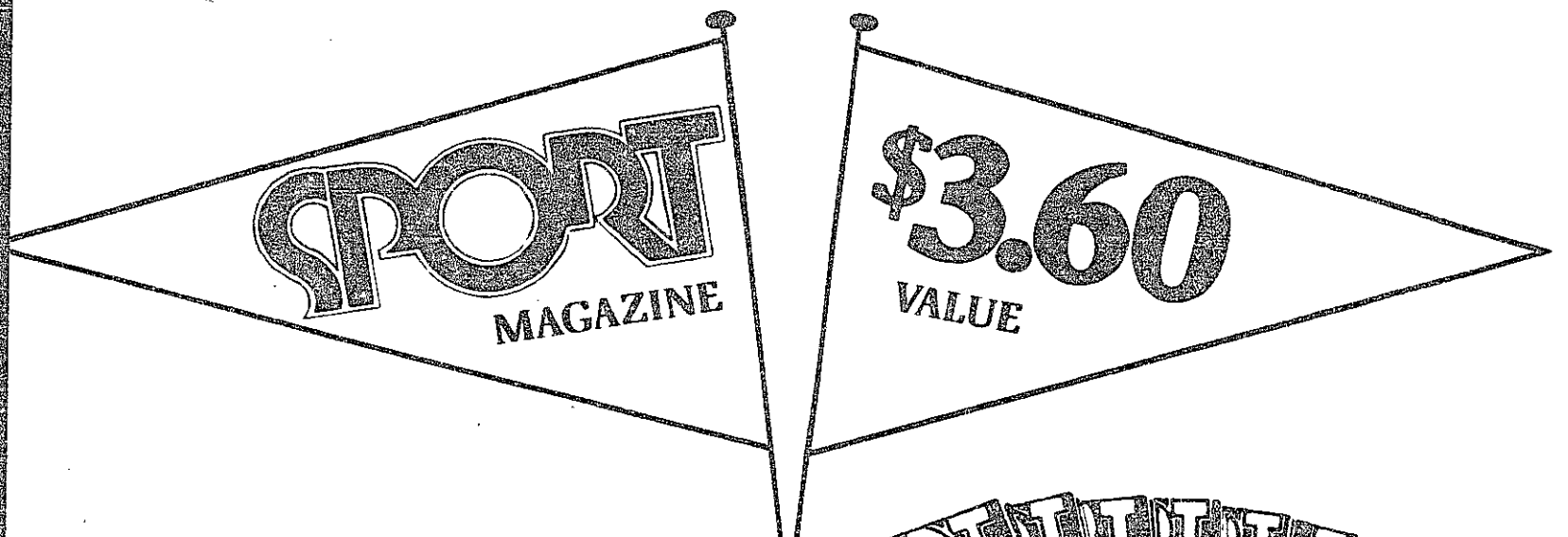
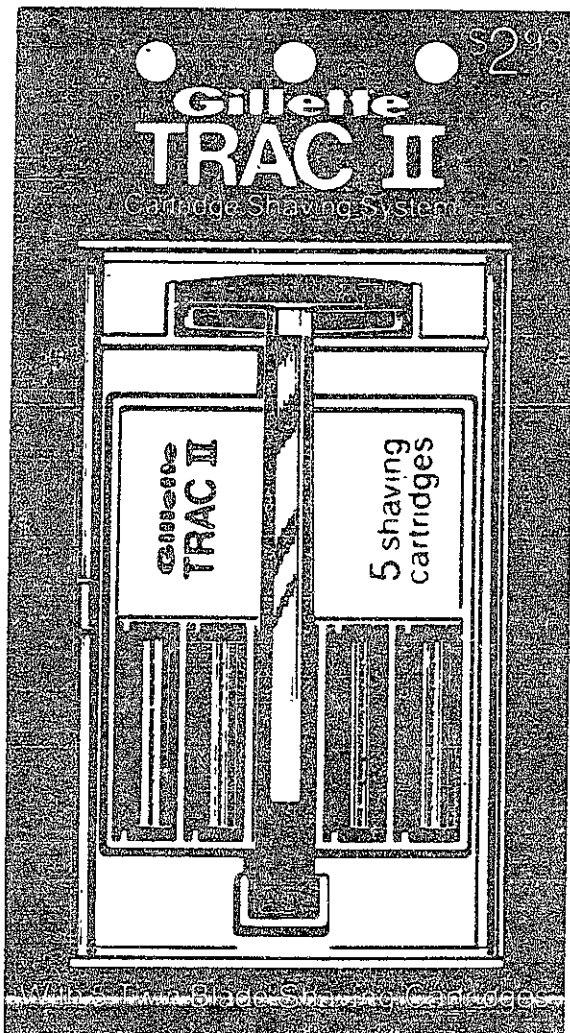
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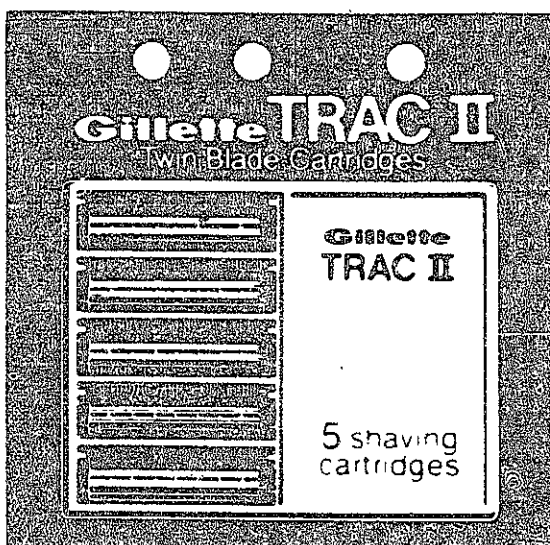
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# Simplex plans remain unformulated

(Continued from page 1)

and light industry, apartments and houses, with middle and lower income housing, and graduate student housing. Plan B, favored by the faculty and corporation members, wanted to create a "Facultyport" — a fairly insular community of faculty families and some grad housing, with some commercial development to help keep rents down. Three difficulties were seen with any development plan: the economic conditions were poor, there were difficulties with zoning in the area, and the area was not large enough to make the "environmental" effect the Institute wanted. In line with this last objective, MIT has bought eleven smaller parcels of land in the area, to "round out" the original tract.

In an article in *The Tech*, dated September 21, 1971, it was stated that, although razing of the original property was almost completed, there were no formalized plans for development. O. Robert Simha of the Planning Office, which is in

charge of planning for Simplex, said a report should be released in the near future; the announcement "may be within two months." To date, there has been no announcement.

What has become of the administration's promise to keep the community informed? Why have there been no plans announced for this multimillion dollar property? "Right now, we are in a hold mode," said Kenneth Wadleigh, Administrative Vice President. "With the economic and budgetary situation we have, MIT simply cannot afford to start development right now. We'd rather let Simplex ride for a while than raise tuition again." The Institute's basic aims remain the same, he explained, but there are no formalized plans yet, although three years have passed since MIT bought the property. "We would especially like to go ahead with our housing projects, but simply cannot afford it," Wadleigh added.

MIT and Harvard have an immense effect on Cambridge, and Simplex is a manifestation

of this. Every time an acquisition like Simplex is made, the public expresses two fears — that the property will be removed from the tax rolls, and that the city is being "remade" in the image of the universities. Although the first fear was allayed by MIT's statements at the time of the purchase and repeated since, an answer to the second is not so clear. Indeed, it was a stated purpose of the Institute to upgrade the area and possibly exclude heavy manufacturing that led to the purchase (and to the subsequent SDS charge that MIT had tempted Simplex into selling for this purpose).

"Cambridge is a city in transition, and MIT and Harvard are the reasons," said Mr. Russo of the Cambridge Assessors Office. "The city is changing from a manufacturing area to a center for professional people, research companies, and things of that nature." He pointed out that MIT and Harvard are the top two employers in Cambridge, hiring 12,000 and 10,000 employees, respectively; Polaroid is

a poor third with 4500. Russo felt the changes would be for the better: "Without these universities, Cambridge would be just like Medford or Somerville — just another suburb of Boston. Besides," he added, "the people who bitch the loudest about the schools are first to go to Harvard or MIT when they've got land to sell."

What will become of the Simplex property is not too clear at the moment. No plans have been released, no zoning permits have

been requested, and no contract assigned. What is even worse is that so few people know what the situation is; the community certainly has not been kept informed. The administration officials concerned say that MIT plans to stand by its original goals, but how these goals will be implemented remains to be seen. For the present, the Simplex site is just 800,000 square feet of rubble and empty lots, with neither MIT nor Cambridge profiting by it.

## Music attracts MIT students

By George Harper

It's a fact that music rates high as a hobby or avocation with much of the campus proletariat.

A calculation of the stereo/student ratio would yield a figure somewhere between 0.5 and 1.0. The Tech Coop is jammed during its periodic record sales. Music courses are popular as electives. And, of course, there are the on-campus performing groups: the Glee Club, Choral Society, Logarithms, Symphony Orchestra, Concert Band, etc.

The two groups with which this reporter is familiar are the Glee Club and the Choral Society. So, not surprisingly, the bulk of this article will be devoted to those two groups.

The MIT Glee Club is the second oldest glee club in the US (only Harvard's is older). It is an all-male group, primarily performing in concerts with choruses from regional girls' schools such as Wellesley, Holyoke, and Smith. Concerts are generally in the Boston area, though periodic tours are made. Although in its early days the Glee Club's image (deservedly) was of the straw-hat-and-banjo variety, it has long since moved in to the area of "serious" music. For example, works performed in the 1971-72 season included a Haydn Mass, a Bach cantata, two Brahms choral works, and the Bach *St. John Passion* (in conjunction with the Choral Society). The Director of the Glee Club is John Oliver, who is also director of choral activities for the Boston Symphony Orchestra.

The MIT Choral Society was founded in 1948 by Klaus Kiepmann, who until this year was head of the MIT Music Depart-

ment as well as director of the Choral Society and Glee Club. John Oliver also directs the Choral Society. It is a mixed group, performing primarily on-campus. Since its founding, it has been oriented towards "classical" music. Works performed this past year included Purcell's *Dido and Aeneas* and the Bach *St. John Passion*.

The Glee Club is made up primarily of MIT undergraduates, while the Choral Society is open to any member of the MIT community. Both groups perform an average of

three different concerts per year (the Glee Club performs each of its concerts twice) generally one during the first term and two during second term.

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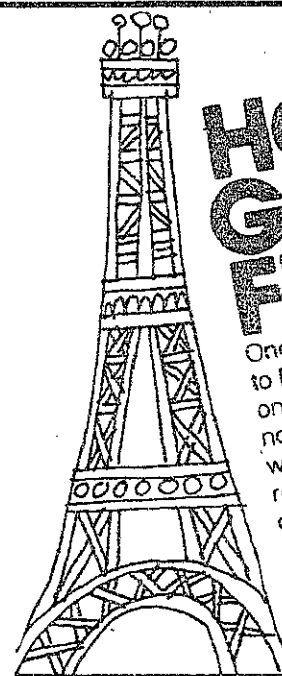


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# Sailing now at midpoint women and frosh win

MIT's men's and women's sailing teams reached the midpoint of their seasons last weekend, as extremely rough weather conditions forced cancellation of one regatta and caused problems with others.

The highlight of the weekend was the women's team's victory in the Man Labs Trophy Regatta sailed at MIT on Saturday and Sunday. The Tech women's varsity led all the way en route to the victory over the six-school field. Maria Bozzuto '73, with crew Penny Butler '75 and Barbara Miglierina '76, easily placed first in A-Division with finishes of 1-2-8-3-1-1-2-1-2-1, beating her nearest rival by eight points over the ten races (the third race being a highly questionable disqualification). Shelley Bernstein '74, with Joan Pendleton '76 crewing, completely dominated B-Division, with finishes of 1-1-2-1-1-1-3-1-1-3, eleven points ahead of the second place finisher. The win gave the women victories in both of the major trophy regattas sailed so far this fall.

Steve Cucchiaro '74, with crew Alan Spoon '73, Dean Kross '73, and John Avalon '73, represented MIT in the semifinals of the New England Sloop Championships (White Trophy) sailed at the Coast Guard Academy on Saturday and was one of five finishers qualifying for the finals. The finals of the event were originally scheduled for Sunday, but because of extreme weather conditions were postponed until November 11.

The MIT freshman team placed first in an invitational regatta at Boston University on Sunday, beating Boston University, Bowdoin, Dartmouth, and Harvard. Paul Erb and George Todd co-skippered in A-Division, while John Anderson and Larry DuBois alternated in B.

The Hoyt Trophy Regatta, scheduled to be sailed at Brown University in Providence on Sunday, was cancelled due to high winds.

This weekend the men's varsity will compete in an open invitational at MIT tomorrow and the Donaghy Bowl at Holy Cross on Sunday, while the women's varsity will sail in a CCT Regatta at MIT on Saturday and an invitational at the University of Rhode Island on Sunday. The freshman squad will compete in an invitational at Tufts on Sunday.

Radcliffe finished second in the regatta, as both their skippers placed second in their respective divisions. Results were: MIT 37, Radcliffe 56, Boston University 66, Jackson 83, Wellesley 87, and Stonehill 114.

# Golf season finishes: 3 wins and 3 losses

MIT closed its fall golf season Monday with a narrow 4 to 3 victory over Assumption College of Worcester in a wind-blown match at MIT's home course, Crystal Springs Golf Club in Haverhill.

The win gave MIT a fall season record of three wins — over Assumption, Bentley College of Waltham and Plymouth State College of New Hampshire — against three losses to St. Anselm's of Manchester, N.H., Bryant College of Smithfield, R.I., and Boston College.

In Monday's match, MIT wins were contributed by captain Bob Keeth '73 playing No. 1 who had an 82, MIT's low for the day, and by Pete Wolczanski '76 playing No. 2 with an 86, by Bob Orloff '73 playing No. 6 with an 87, and by Jeff Vining '76 playing No. 7 with a 93. Warren Sherman '73, MIT's No. 3, and Bob Harrison '76, No. 4, lost their matches with a 93 and a 94.

Dave Becher '74, playing No. 5, turned in MIT's second best score of the day, an 84, but lost

his match to Assumption's Paul Couture who had a 78, the best of the day for all players despite wind and cold weather.

The golf team will resume action next spring, beginning with a southern trip and followed by a full schedule of intercollegiate matches and tournaments. Based on the 3-3 fall record, Coach Jack Barry expects one of MIT's more successful spring campaigns.

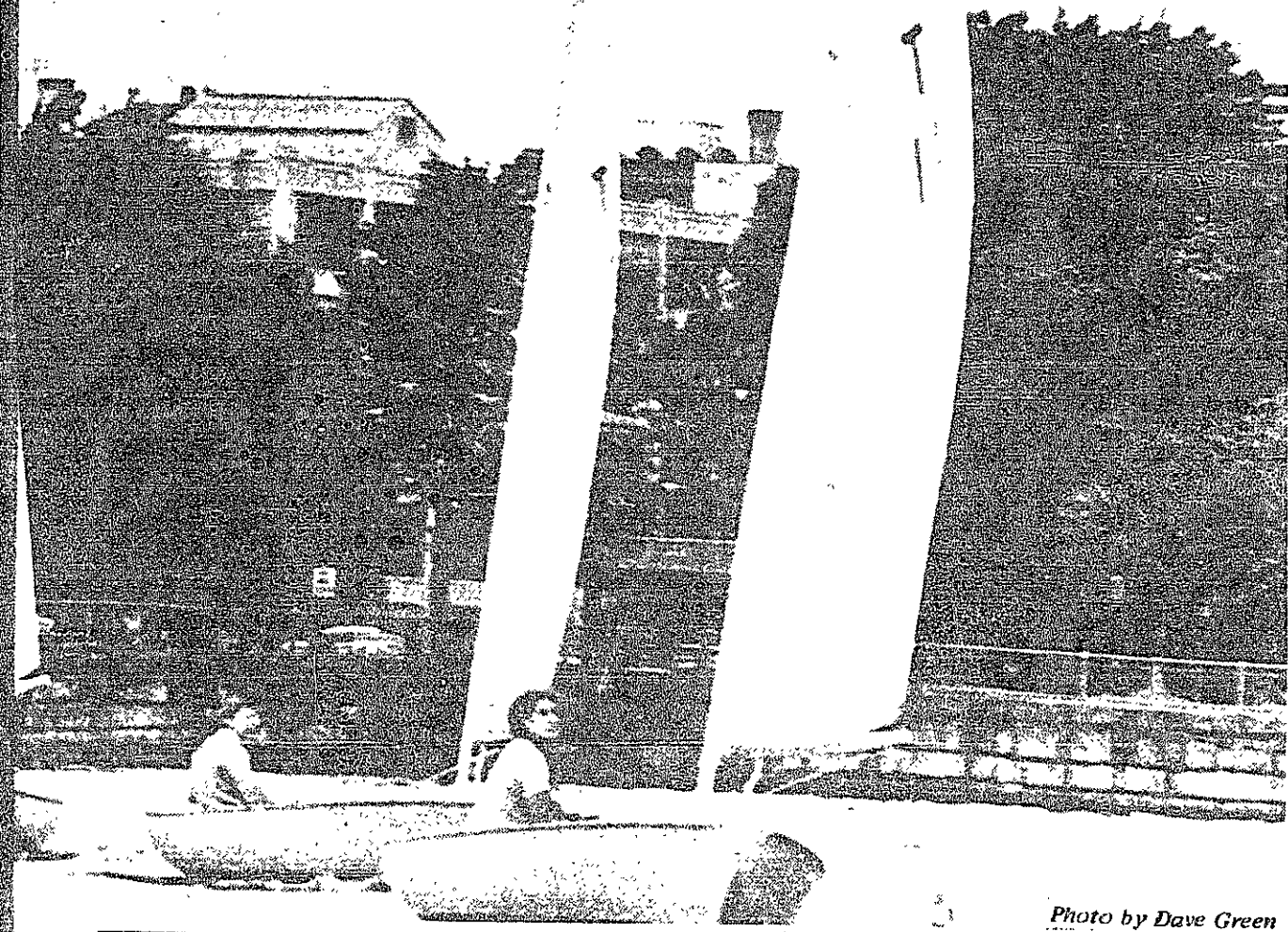


Photo by Dave Green

# IM Notes: cycling

**IM Cycling**  
IM cycling is in desperate need of a car and a driver to be the tag wagon for the IM cycling meet to be held Sunday, October 29. They will pay \$10 for 4½ hours of driving, plus 10 cents per mile for gas. If you are interested, please contact Jeff Marr at d18-518 or the IM Office at x3-7947.

**IM Cross Country**  
This year's IM Cross Country meet will be held on Saturday, October 28, at 11 am at the

Fresh Pond Cross Country Course in Cambridge. Entry forms are available to both groups and individuals at the IM Office, W32-123, x3-7947, and should be returned by 5 pm on Friday, October 27. For more information, contact the IM Office or the manager, Martin Zartarian, 266-4796.

Also, a note from the Athletic Department: An advanced Diver program is being started. An organizational meeting will be held at 7:30 pm, Wednesday,

October 25 in room 20E-017. For further information, contact Dave Michael, W32-123, x3-7947.

## On Deck

**Saturday**  
Soccer (V) — Lowell Tech, home, 2 pm  
Soccer (JV/F) — Emerson, home, 2 pm  
Cross Country (V&JV/F) — Tufts, at Williams, 1 pm  
Women's Sailing (V) — CCT, home, 9:30 am  
Men's Sailing (V) — Fowle Trophy at Coast Guard, 9:30 am  
Men's Sailing (V) — Staake Trophy at MIT, 9:30 am

**Sunday**  
Men's Sailing (V) — Fowle Trophy at Coast Guard, 9:30 am  
Men's Sailing (V) — Staake Trophy at MIT, 9:30 am  
Women's Sailing (V) — Regatta at U.R.I.  
Men's Sailing (F) — Invitational at Tufts, 9:30 am

**Tuesday**  
Cross Country (V) — Brandeis, Boston University, at Franklin Park, 4 pm  
Water Polo (V) — Harvard, home, 6:30 pm

**Wednesday**  
Soccer (V) — Boston College, away, 7 pm

# IM Volleyball scores: season nearly finished

A1		C1	
leag	non-leag	NRSA	
Persians	3-0	4-1	SPE 2-1
Hellenic AC	2-1	4-1	Burton 4 2-2
Baker 'A'	2-2	2-3	Burton 1 2-2
LCA	1-2	1-4	Burton 2 'B' 1-3
Ocean Eng	0-3	0-4	Conner 3 0-3
A2		C2	
TDC 'A'	3-1	4-1	Mac 'A' 4-0
Ashdown 'A'	2-1	4-1	PSK 2-0
Club Latino	1-1	1-2	MAC F 3-1
PBE 'A'	1-2	2-2	SC 2-2
Grad ME	0-2	1-3	AEPi 'B' 1-3
			EC 2W 0-4
B1		C3	
Burton 2 'A'	3-1		Mac J 4-0
Chem E	3-1		EC 4W 3-1
PLP	3-1		PKT 2-2
ZBT	2-2		Mac AA 1-3
Econ 'A'	1-3		BSU 1-2
TDC 'B'	0-4		PMD 0-3
B2		C4	
DU	4-0		Mac B 4-0
Econ 'C'	4-0		Mac H 3-1
DTD	2-2		SAM 2-2
TC	1-3		PKS 2-2
Meteorology	1-3		MITNA 1-3
Burton 5	0-4		Baker 'C' 0-4
B3		C5	
DP 'A'	4-0		EC 5W 3-1
Bexley	3-1		SN 3-1
Burton 3 'A'	3-1		Baker 'D' 3-1
SAE	1-3		CP 2-2
Ashdown 'B'	1-3		Mac C 1-3
AEPi 'A'	0-4		TEP 0-4
B4		C6	
BTP	3-1		Mac D 4-0
Sen. House	3-1		EC 3-1
PGD	2-2		DP 'B' 2-2
Stud. House	2-2		ATO 2-2
PBE 'B'	1-3		PDT 1-3
Baker 'B'	1-3		Burton 3 'B' 0-4

# Math dept wins IM tennis

**By Mark Webster**  
A strong Math Department team led by singles entrants Hy Greenbaum and Molly Greene swept to a convincing victory in the IM Tennis tournament held last Saturday and Sunday. There were 26 teams, represented by 39 singles entrants and 23 doubles teams, which competed for the trophy.

One point was awarded for each singles or doubles match won by a team member. The graduate students from the Math Department clinched the championship by winning the maximum of 11 points in the singles division of the tournament.

Greenbaum, second-seeded,

who played first singles for the Math team during the regular season, swept through his half of the draw, losing a total of only two games in four matches on his way to the finals. Greene then made it an all-Math singles final by beating the first-seeded player in straight sets.

With the title already in hand, Greenbaum won a close match from his teammate to win the singles championship 6-4, 2-6, 8-6. The Math Department doubles team of Jerry Gechter and Ridgeway Scott made an important contribution to the team effort with two wins in the doubles section of the tournament.

The doubles final between Bob Keith and Mark Hannig of SAE and Bertram Hui and C.S. Hui of Chinese Students Club 'A' was postponed until Saturday, October 21 because of scheduling problems. It will, however, have no effect on the final team standings. The standings and present point totals are:

1) Math A'	13
2) SAE	10
3) Ashdown	9
4) CSC 'A'	7*
5) MacGregor 'A'	6
6) DU	5
7) TDC 'A'	5

\* can add one more point by winning the doubles final

# SPORTS

## Soccer wins shutout as team offense excels

By Sandy Yulke

MIT brought its season record in soccer to 3-3 Wednesday, with a 2-0 shutout of Brandeis. The game was clearly dominated by MIT, who had 44 shots on goal compared to Brandeis' 16.

Though there were no individual standouts, the MIT team played its best game of the year, with teamwork as its keynote. The MIT offense was more aggressive than it has been all season, following up on shots that did not score, and keeping the ball in the Brandeis penalty area. All this offensive activity kept the Brandeis goalie busy, as he registered 25 saves, several of them very good, particularly one in the far corner.

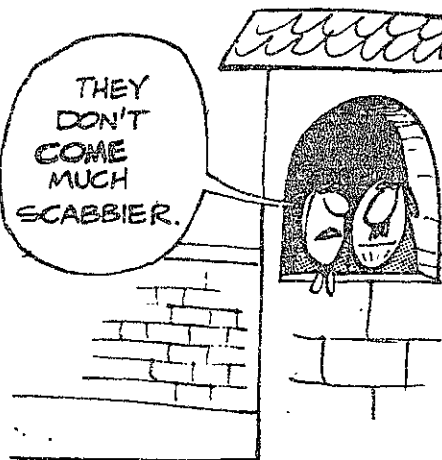
MIT's goalie, Ritchie Straff '74, who has done a very good job so far this season, had a relatively easy day, thanks to the excellent offense, with only five saves.

The first of MIT's goals came with 24:30 left in the first of the two forty-five minute halves which make up a soccer game. It was scored by Esref Unsal '75, on a loose ball inside the penalty area. He kicked the ball into the goal, but the goalie made a good save, batting it out with his hand. Unsal then followed the

shot up, kicking it back in to score.

The other MIT goal was scored by Gus Arboleda '74, with only 5:22 left in the second period. Though there was no one credited for an assist on either of the MIT goals, Arboleda's goal was in actuality assisted by the Brandeis goalie. The kick hit the crossbar, dropped down onto the goalie's back, and rolled into the goal. In one of the few offensive mistakes made by MIT in the game, Arboleda missed an open net from five feet out very early in the first period.

The next MIT home game is tomorrow at 2 pm against Lowell Tech, on Briggs Oval.



## Crew looks to 'The Head'

By David I. Katz

The eighth annual Head of the Charles regatta will take place this Sunday, October 22, starting at 12 noon, on the Charles River. The Head is a three mile crew race beginning at the Boston University boathouse on Memorial Drive and going upstream past Harvard to the WBZ tower on Solider's Field Road.

Styled after England's "Head of the River" races, the Head is a race against the clock for the 1400 participants from 76 schools and rowing clubs around the US and Canada. Since it is

the first "big" regatta of the school year, many Midwestern schools will be coming to try out the competition.

This year, MIT will be entering eleven of the seventeen events. The varsity Heavyweights are entering the Elite 4 with cox, Intermediate 4 with cox, Intermediate 8, and pair without cox. The varsity Lightweights will be entering two boats in the Lightweight 8's, and one in both the Lightweight 4 and the Pair without cox. Both Frosh crews will be entering two boats in the Junior 8's and one boat in the Intermediate 8's. The Women's crew will be entering one boat in the Women's 8's. The grad crew will be entering the Double sculls and the Elite 8's.

Some of the most famous oarsmen of North America will be here Sunday to race in the Head. These include the Olympic Silver medal winners rowing in the Elite Eight Event under the colors of the Union Boat Club, and the Northeastern eight that won the Eastern Sprints and came in second to the Russians at the British Royal Henley, rowing in the same events. Rowing in the Elite Singles will be last year's winner

and the US entry in the Olympics, Jim Dietz of the NYAC.

The large number of entries, about 350 boats, necessitate a staggered start. The events start at twenty minute intervals with the individual boats going off at intervals of fifteen seconds. This makes for some very interesting competition as the boats pass one another coming up the river.

In order to tell one boat from another, programs will be available from the MIT Boathouse or the Cambridge Boatclub boathouse Saturday morning.

MIT's best chances, according to Head Coach Pete Holland, will be in the Elite 4's with last year's fifth place boat hoping to take top honors in this year's contest. Other events to watch are the Elite Singles and the Elite Eights, the last two events of the day. MIT also has a good chance of winning back the Paul Revere Point Trophy given to the school or boatclub that amasses the greatest number of points in the entire regatta.

Be on the banks of the Charles Sunday and cheer the MIT crew on to its first win of the season.

## Harriers hurt by injuries; lose to Boston College

Misfortune struck last Friday as the MIT cross-country teams lost to Boston College on both the varsity and junior varsity levels.

A cool, sunny day saw BC take eight of the first ten places in the varsity meet. Al Carlson '74 and John Kaufmann '73 ran personal bests as they placed second and third respectively. Injuries again hurt the Engineer team effort as Pete Borden '72, third man in the previous meets, was unable to run. Final score was MIT 53, BC 20.

On the J.V. level Mike Ryan

'76, took first place with the outstanding time of 16:44. He was followed, however, by eight BC runners as MIT lost again, 20 to 53.

Varsity results: 1) Capazzuto, BC 25:15; 2) Carlson, MIT 25:24; 3) Kaufmann, MIT 25:27; 4) Becker, BC 25:39; 5) Francis, BC 25:50.

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Esref Unsal '75, scoring the first of MIT's two goals in its 2-0 shutout of Brandeis Wednesday on Brigg's Oval.

Photos by Sheldon Lowenthal

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